



EIZO to Introduce ColorEdge® CG222W Widescreen Monitor with Hardware Calibration at PMA 08

Hakusan, Ishikawa, January 24, 2008 – Eizo Nanao Corporation (TSE: 6737) today announced it



will introduce the ColorEdge CG222W for its ColorEdge series of color calibration LCD monitors, at PMA (Photo Marketing Association) 08 to be held in Las Vegas, Nevada, USA from January 31 – February 2. With a wide color gamut and 12-bit hardware calibration, the ColorEdge CG222W is ideal for a wide range of high-end graphics work including pre-press, digital photography, video editing, and post-production.

The ColorEdge CG222W's native resolution is 1680 × 1050 (16:10 aspect ratio). The maximum brightness is 250 cd/m², contrast ratio is 1000:1, and horizontal and vertical viewing angles are 178°. The wide gamut LCD panel reproduces 98% of the sRGB and 92% of the Adobe RGB color spaces so it can display most colors in a photograph taken in a camera's RGB or Adobe RGB modes.

Since the CG222W offers hardware calibration, the monitor itself is calibrated rather than the computer's graphics board as is the case with software calibration. This ensures no color tones are lost in the calibration process and results in more accurate on-screen color.

EIZO's ColorNavigator calibration software is bundled with the CG222W and allows for setting the target values for brightness, white point, and gamma. ColorNavigator works with a measurement device to directly utilize the monitor's 12-bit look-up table for accurate calibration in less than five minutes. When calibration is complete the settings can be saved as an ICC profile. The software also offers black level settings and a paper white measuring function¹ for color matching between the image on the monitor and the image on the printouts. Supported calibration devices for ColorNavigator include X-Rite's Eye-One Series, DTP94, and DTP94B; and DataColor's Spyder2 and Spyder3.

The ColorEdge CG222W comes equipped with EIZO's latest ASIC (Application Specific Integrated Circuit). The ASIC has a 12-bit look-up table with a palette of 4,081 colors for each R, G, and B from which the most appropriate 256 colors are selected. The ASIC also features 16-bit internal processing for smooth display of grayscale tones, which brings out details, especially in dark areas of an image.

To ensure optimum colors straight out of the box, EIZO calibrates each unit of the ColorEdge CG222W at its factory in Japan. EIZO measures every tone from 0 – 255 to produce a gamma curve of 2.2 and includes an adjustment certificate in the packaging to verify the results.

To counteract the brightness and chroma uniformity errors that are characteristic of all LCD panels, EIZO has equipped the ColorEdge CG222W with its Digital Uniformity Equalizer (DUE) function. DUE produces a Delta-E difference of three or less across the screen when the monitor



leaves the factory, and a certificate validating the uniformity compensation results is included.

DVI-I inputs which support both digital and analog signals from computers, and a USB 2.0 hub with one upstream and two downstream ports are included. Support for high bandwidth digital content protection (HDCP) with a digital signal allows for viewing of content from HDCP-equipped devices.

Additional Features

- 82 mm height adjustment, 40° tilt, 70° swivel, and 90° pivot for portrait display.
- Sensor on front panel reads ambient light and adjusts the screen brightness to the ideal level. Perfect for text-based tasks, this function is automatically disabled in calibration mode.
- Simulates two types of color vision deficiency – protanopia and deuteranopia – for verification of how color appears to those with color blindness². All simulation is done in real time for both still and moving images, making it a practical alternative to software-based tools.
- Monitor hood to shield the screen from ambient light and screen cleaner kit are bundled.
- Five-year warranty³.

Availability

Mass production is scheduled for late March. Date of availability varies by country so please contact the EIZO subsidiary or distributor in your country for details. Visitors to Photo Marketing Association (PMA) 08 to be held in Las Vegas, Nevada, USA from January 31 – February 2 can have a first look at the ColorEdge CG222W. EIZO will be located in booth K150.

About EIZO

Eizo Nanao Corporation is a leading global manufacturer of high-end visual display products with a wide range of LCD monitors. The image quality, long-term reliability, and innovative features of EIZO monitors make them the products of choice in many financial trading rooms, hospitals, back offices, and design studios throughout the world. EIZO is based in Japan and represented in over fifty countries by a network of exclusive distributors.

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¹Paper white measuring function is supported by the X-Rite DTP94, DTP94B, Eye-One Display 2, Eye-One Display LT, and the Eye-One Pro only.

²Requires UniColor Pro software for toggling between modes. UniColor Pro is compatible with Windows Vista/XP/2000 and Mac OS 10.3.9 – 10.4.11. It is available for free download at www.eizo.com.

³The usage time is limited to 30,000 hours and the warranty period of the LCD panel is limited to three years from the date of purchase.

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